

ABSTRACT OF THE DISCLOSURE

A multi-band oscillator includes plural pairs of oscillation transistors, which are differentially connected
5 and which are provided independently for each oscillation frequency band; and feedback capacitor elements that connect the mutual collector and base of each pair of the oscillation transistors. The collectors of one of each pair of the oscillation transistors are connected to one another, and the
10 collectors of the other pairs of the oscillation transistors are connected to each other. Between the collector of one of the oscillation transistors and the collector of the other oscillation transistor, a plurality of capacitor elements for switching the oscillation frequency band are connected via
15 switching devices connected in series thereto in such a manner as to correspond to each pair of oscillation transistors, and only one pair of oscillation transistors corresponding to the capacitor element which is connected to the switching device which is turned on are placed in an
20 operating condition.